

TABLEAU

A Business Intelligence tool



Tableau

Tableau is a visual analytical tool to present the large complex data into the readable & understandable format.

These days it is widely used by most of the business sectors as it provide great quality with ease.

Tableau can connect to 50+ data sources and gives us 24 types of charts.



Why Tableau?

- Speed
- User Friendly
- Eye-catching and Interactive Dashboards
- Direct Connection
- Easy Publishing and Sharing
- Growing Market



Tableau Products

- Tableau Desktop to create the visualizations
- Tableau Public a free version to create interactive visualizations.
- Tableau Online cloud platform to share the visualizations.
- Tableau Server to share the visualizations with the people in the organization
- Tableau Reader to view visualizations created in Tableau can not edit.
- Tableau Prep Used for cleaning the data



Installing Tableau

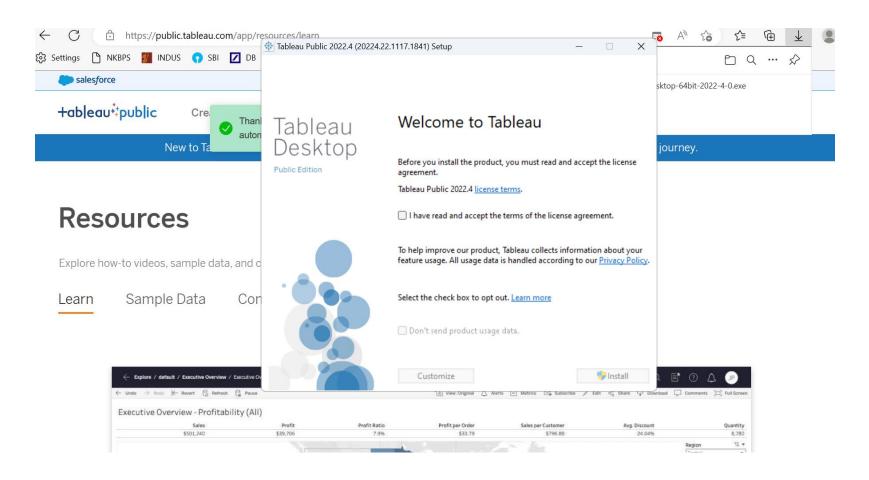
(14 Days Free Trial)

- Go to Tableau.com
- Click on Try Now
- Enter your Email id
- Click on Download free trail
- Double click the downloaded file to install it.
- Fill the registration form and get started.
- https://public.tableau.com/en-us/s/download



Installing Tableau

(14 Days Free Trial)



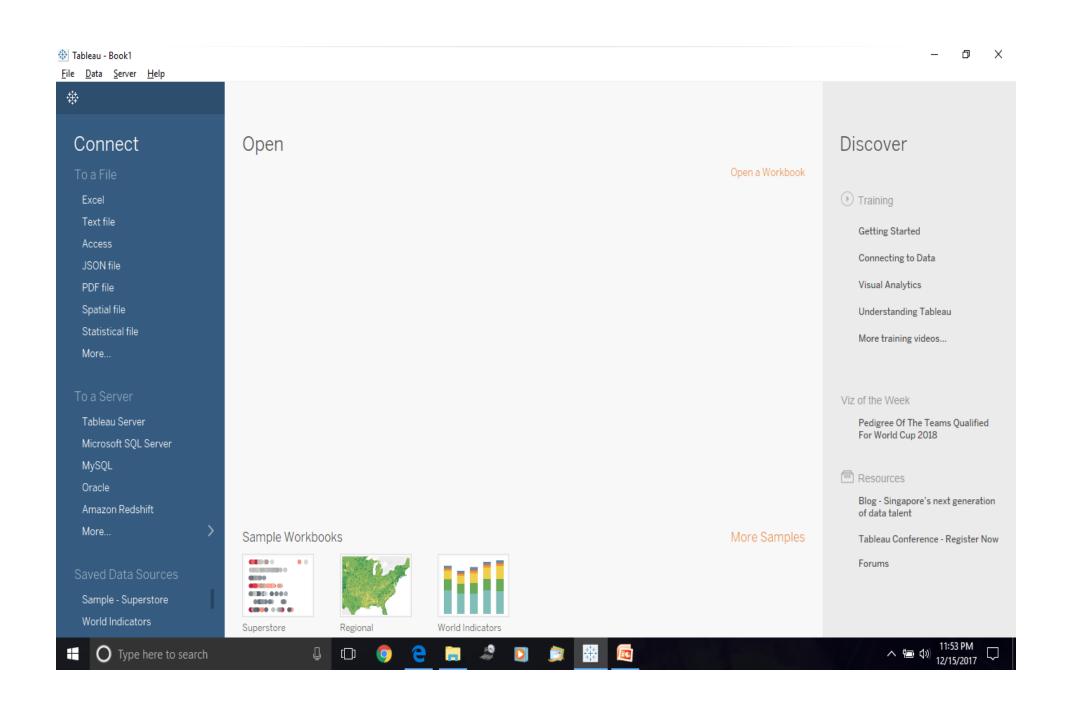


Installing Tableau

(14 Days Free Trial)







Tableau

There are three basic steps involved in creating any Tableau report.

- Connect to a data source It involves locating the data and using an appropriate type of connection to read the data.
- Choose dimensions and measures This involves selecting the required columns from the source data for analysis.
- Apply visualization technique This involves applying required visualization methods, such as a specific chart or graph type to the data being analyzed.



Tableau

The Sample Data: Tableau trial version comes with a sample data base 'Sample – Superstore.xls'. We can access this database at the below location:

\Documents\ Documents\My Tableau Repository\Datasources\10.4\en_US-US\ Sample – Superstore.xls



Tableau & Excel a Comparison

In excel we summarise the data using pivot table. The similar functionality is provided in tableau in more comfortable manner.

For Example let try to retrieve the category wise product sales from Sample – Superstore database.

Using Excel

Using Tableau



Live and Extract Connection

Tableau provides two types of connections:

1. Live Connection

Data

Analytics



Sheet1 (AgentData)

2. Extract (A saved subset of a data source)

Data

Analytics



🖳 Sheet1 (AgentData)



Tableau Data Types

There are 6 data types in Tableau:

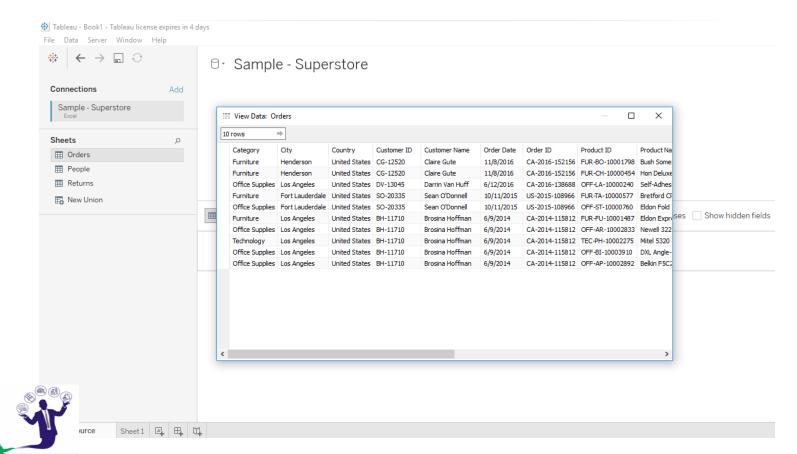
- 1. Number (#)
- 2. String / Text (ABC)
- 3. Date (🛗)
- 4. Geographic (

)
- 5. Boolean (True / False)
- 6. DATE & TIME



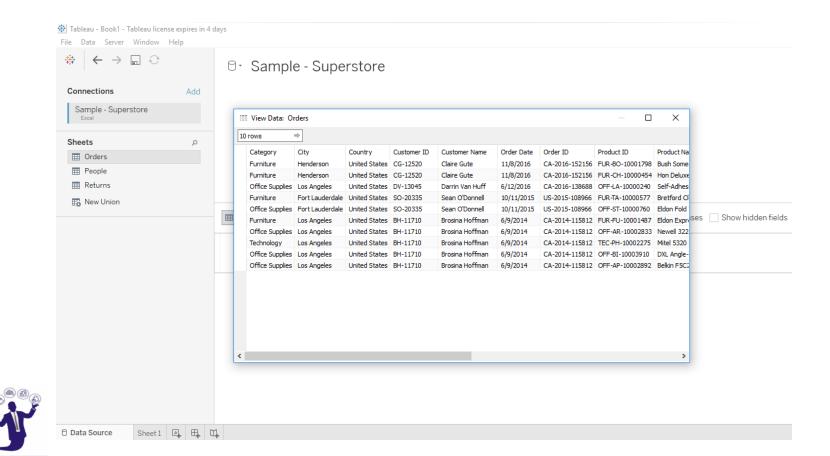
View Data

To view the data source data we need to click on view data button. Alternatively we can drag and drop the sheet in Sheet Area



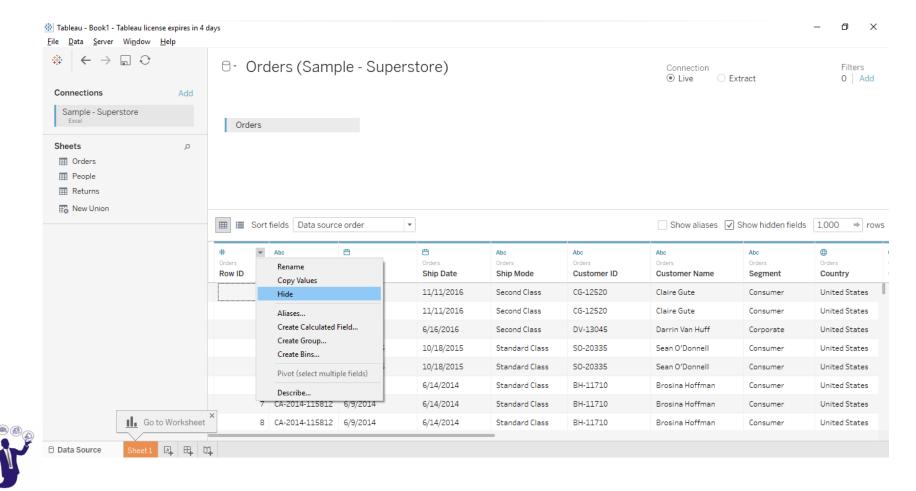
View Data

To view the specific number of records we can specify the number in row count box.



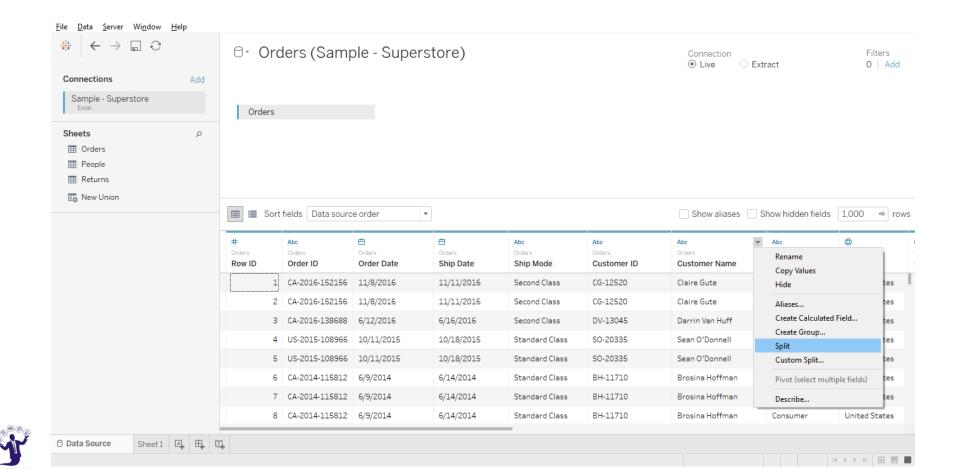
View Data

To hide a particular column we need to click on the column and select hide.



Column Formatting

Rename – Double Click on the column and edit the name. Copy – Select the column / Row copy and paste it in Excel

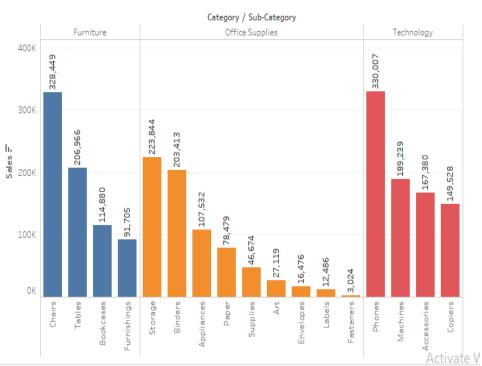






Region

A-1 create a Graph display category & subcategory wise sales A-2 Category, Region & Sub-Category wise Profit



Category	Sub-Catego	Central	East	South	West
Furniture	Bookcases	-1,998	-1,168	1,339	-1,647
	Chairs	6,593	9,358	6,612	4,028
	Furnishings	-3,906	5,881	3,443	7,641
	Tables	-3,560	-11,025	-4,623	1,483
Office Supplies	Appliances	-2,639	8,391	4,124	8,261
	Art	1,195	1,900	1,059	2,374
	Binders	-1,044	11,268	3,901	16,097
	Envelopes	1,778	1,812	1,465	1,909
	Fasteners	237	264	174	275
	Labels	1,073	1,129	1,041	2,303
	Paper	6,972	9,015	5,947	12,119
	Storage	1,970	8,389	2,274	8,645
	Supplies	-662	-1,155	2	626
Technology	Accessories	7,252	11,196	7,005	16,485
	Copiers	15,609	17,023	3,659	19,327
	Machines	-1,486	6,929	-1,439	-619
	Phones	12,323	12,315	10,767	9,111

